Exhibit 20

T-Mobile Smartphones (see product list at end for relevant models) Infringement of the '242 patent	
Claim 1	**Evidence**
1. A method of processing imaging signals, the method comprising:	The T-Mobile smartphone performs a method of processing imaging signals. For example, the T-Mobile smartphone includes an image capturing subsystem, an image processing subsystem, and an interface subsystem connecting them. The image processing subsystem processes imaging signals that are received from the image capturing subsystem via the interface subsystem.
receiving image data from an imaging array;	The T-Mobile smartphone receives image data from an imaging array. For example, the image capturing subsystem includes a CMOS image sensor that includes an imaging array. The imaging array produces image data when exposed to an image. The interface subsystem of the T-Mobile smartphone receives the image data from the imaging array.
storing the image data in a FIFO memory;	The T-Mobile smartphone stores the image data in a FIFO memory. For example, the interface subsystem includes a FIFO memory for storing image data. The image data received from the imaging array is stored in the FIFO memory by the interface subsystem.
updating a FIFO counter to maintain a count of the image data in the FIFO memory in response to memory reads and writes;	The T-Mobile smartphone updates a FIFO counter to maintain a count of the image data in the FIFO memory in response to memory reads and writes; For example, the interface subsystem includes a FIFO counter to maintain a count of the image data, or "fill level", that is stored in the FIFO memory. When a unit of image data is written to the FIFO memory, the count of the FIFO counter is incremented. When a unit of image data is read from the FIFO memory, the count of the FIFO counter is decremented.
comparing the count of the FIFO counter with a FIFO limit;	The T-Mobile smartphone compares the count of the FIFO counter with a FIFO limit.

	For example, the interface subsystem includes a FIFO limit which it compares to the FIFO count to determine if the amount of image data in the FIFO memory is at a "fill level" that will require the interface subsystem to take an action.
generating an interrupt signal to request a processor to transfer image data from the FIFO memory in response to an interrupt enable signal being valid and the count of the FIFO counter having a predetermined relationship to the FIFO limit; and	The T-Mobile smartphone generates an interrupt signal to request a processor to transfer image data from the FIFO memory in response to an interrupt enable signal being valid and the count of the FIFO counter having a predetermined relationship to the FIFO limit. For example, the interface subsystem includes a processor for performing operations to transmit image data to the image processing subsystem. The servicing of interrupts by the processor can be enabled or disabled. When the servicing of interrupts from the FIFO memory is enabled and the count of the FIFO counter has a predetermined relationship to the FIFO limit, the interface subsystem generates an interrupt signal. The interrupt signal represents a request for the processor to transfer image data from the FIFO memory.
transferring image data from the FIFO memory to the processor in response to the interrupt signal.	The T-Mobile smartphone transfers image data from the FIFO memory to the processor in response to the interrupt signal. For example, when the processor receives the interrupt signal, the processor transfers the image data from the FIFO memory to the processor, which transmits the image data to the image processing subsystem for processing.

T-Mobile smartphone Infringement of the '242 patent	
Claim 8	**Evidence**
8. A method of processing imaging signals, the method comprising:	The T-Mobile smartphone performs a method of processing imaging signals. For example, the T-Mobile smartphone includes an image capturing subsystem, an image processing subsystem and an interface subsystem connecting them. The image processing subsystem processes imaging signals that are received from the image capturing subsystem via the interface subsystem.
receiving image data from an imaging array;	The T-Mobile smartphone receives image data from an imaging array. For example, the image capturing subsystem includes a CMOS image sensor that includes an imaging array. The imaging array produces image data when exposed to an image. The interface subsystem of the T-Mobile smartphone receives the image data from the imaging array.
storing the image data in a FIFO memory;	The T-Mobile smartphone stores the image data in a FIFO memory. For example, the interface subsystem includes a FIFO memory for storing image data. The image data received from the imaging array is stored in the FIFO memory by the interface subsystem.
updating a FIFO counter to maintain a count of the image data in the FIFO memory in response to memory reads and writes;	The T-Mobile smartphone updates a FIFO counter to maintain a count of the image data in the FIFO memory in response to memory reads and writes; For example, the interface subsystem includes a FIFO counter to maintain a count of the image data, or "fill level", that is stored in the FIFO memory. When a unit of image data is written to the FIFO memory, the count of the FIFO counter is incremented. When a unit of image data is read from the FIFO memory, the count of the FIFO counter is decremented.
comparing the count of the FIFO counter with a FIFO limit;	The T-Mobile smartphone compares the count of the FIFO counter with a FIFO limit. For example, the interface subsystem includes a FIFO limit which it compares to the FIFO count to determine if the

	amount of image data in the FIFO memory is at a "fill level" that will require the interface subsystem to take an action.
generating, in response to the count of the FIFO counter having a predetermined relationship to the FIFO limit, a bus request signal to request a bus arbitration unit to grant access to an output bus; and	The T-Mobile smartphone generates, in response to the count of the FIFO counter having a predetermined relationship to the FIFO limit, a bus request signal to request a bus arbitration unit to grant access to an output bus. For example, the interface subsystem includes a bus arbitration unit and an output bus to which the image processing subsystem is connected. When the count of the FIFO counter has a predetermined relationship to the FIFO limit, the interface subsystem generates a bus request signal. The bus request signal represents a request for the bus arbitration unit to grant the interface subsystem access to the output bus.
transferring image data from the FIFO memory to the output bus in response to receiving a grant signal from the bus arbitration unit.	The T-Mobile smartphone transfers image data from the FIFO memory to the output bus in response to receiving a grant signal from the bus arbitration unit. For example, after the bus arbitration unit receives the bus request signal it generates a grant signal that gives the interface subsystem access to the output bus. Upon receiving the grant signal, the image data is transferred from the FIFO memory to the output bus for processing by the image processing subsystem.

Product List:

REVVL 5G TD-LTE US 128GB T790W / T790Z
REVVL 4+ TD-LTE US 5062W / 5062Z
REVVL 4 LTE US 5007W / 5007Z
REVVLRY TD-LTE US 32GB XT1952-T
REVVLRY+ TD-LTE US XT1965-T
Revvl 2 Plus LTE US 6062Z
Revvl 2 LTE US 5052W
REVVL Plus LTE US
REVVL LTE US

References:

[1] REVVL 5G TD-LTE US 128GB T790W / T790Z
http://phonedb.net/index.php?m=device&id=17410&c=t-mobile_revvl_5g_td-lte_us_128gb_t790w__t790z__tcl_t1b_5g&d=detailed_specs#section14

[2] REVVL 4+ TD-LTE US 5062W / 5062Z
http://phonedb.net/index.php?m=device&id=17409&c=t-mobile_revvl_4plus_td-lte_us_5062w__5062z__tcl_5062

[3] REVVL 4 LTE US 5007W / 5007Z
http://phonedb.net/index.php?m=device&id=17408&c=t-mobile_revvl_4_lte_us_5007w__5007z__tcl_5007b&d=detailed_specs#section14

[4] REVVLRY TD-LTE US 32GB XT1952-T
http://phonedb.net/index.php?m=device&id=15348&c=t-mobile_revvlry_td-lte_us_32gb_xt1952-t__motorola_channel

[5] REVVLRY+ TD-LTE US XT1965-T
http://phonedb.net/index.php?m=device&id=15345&c=t-mobile_revvlryplus_td-lte_us_xt1965-t__motorola_lake

[6] Revvl 2 Plus LTE US 6062Z
http://phonedb.net/index.php?m=device&id=14402&c=t-mobile_revvl_2_plus_lte_us_6062z__tcl_6062

[7] Revvl 2 LTE US 5052W
http://phonedb.net/index.php?m=device&id=14401&c=t-mobile_revvl_2_lte_us_5052w__tcl_5052

[8] REVVL Plus LTE US
http://phonedb.net/index.php?m=device&id=12805&c=t-mobile_revvl_plus_lte_us&d=detailed_specs

[9] REVVL LTE US
http://phonedb.net/index.php?m=device&id=11937&c=t-mobile_revvl_lte_us&d=detailed_specs